



Figure S5. ALS-linked disease mutation P288A promotes hnRNP A1 protein cytoplasmic accumulation and increases SG localization. **a** Representative images of HeLa cells transfected with the WT, P288A, K298A or P288A/K298A of Flag-tagged hnRNP A1 and treated with either PBS (no stress) or arsenite (stress) for 30 min. Arrowheads, hnRNP A1+/TIAR+ SGs; asterisks, hnRNP A1-/TIAR+ SGs. **b-c** The percentage of cells showing SGs (TIAR+) (**b**) or hnRNP A1-localized SGs (hnRNP A1+/TIAR+) (**c**) is quantified. Mean \pm SEM; n = over 100 cells each group from the pooled results; * p < 0.05, ** p < 0.01, *** p < 0.001; ns, not significant; Student's t -test for comparison between stress and no stress within the same genotype, two-way ANOVA for comparison of the stress-induced changes across different genotypes. Scale bar: 10 μ m.